



05-23-05

JC10 Rec'd PCT/PTO 19 MAY 2005 AF

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EFFECTIVE ON 12/08/2004. Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2005		Complete if Known	
		Application Number	09/719277-Conf. #7039
		Filing Date	April 13, 2001
		First Named Inventor	Andrea D. BRANCH
		Examiner Name	T. Brown
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	Art Unit	1648	
TOTAL AMOUNT OF PAYMENT	(\$) 405.00	Attorney Docket No.	R11-003CPUS

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 12-0080 Deposit Account Name: Lahive & Cockfield, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0			0	

2. EXCESS CLAIM FEES

Fee Description

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims 34 - 55 = 0 x Fee (\$)

Fee Paid (\$)

Multiple Dependent Claims

Fee (\$) **Fee Paid (\$)**

Indep. Claims 2 - 7 = 0 x Fee (\$)

Fee Paid (\$)

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/50	(round up to a whole number) x	

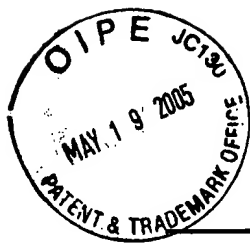
4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): 2252 Extension for response within second month	225.00
1806 Submission of an Information Disclosure Statement	180.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	43,270
Name (Print/Type)	Megan E. Williams	Telephone	(617) 227-7400
		Date	May 19, 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 553863125 US, in an envelope addressed to: MS AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: May 19, 2005 Signature: (Megan E. Williams)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Andrea D. Branch, *et al.*

Serial No.: 09/719,277
(US National stage of PCT/US99/12929)

I.A. Filing Date: June 9, 1999
Filing Date: April 13, 2001

For: *Novel Hepatitis C Virus Peptides and Uses Thereof*

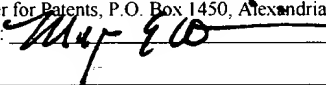
Attorney Docket No.: RII-003CPUS

Group Art Unit: 1648

Examiner: T. Brown

MS AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

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Signature:  (Megan E. Williams)

STATEMENT OF THE SUBSTANCE OF THE
MAY 9, 2005 INTERVIEW

Dear Sir:

Applicants thank the Examiner for the courtesy of a personal interview that took place on 9 May, 2005 between Applicants' Attorneys, Giulio DeConti and Megan Williams; and Examiners T. Brown and U. Winkler and Supervisory Examiner J. Housel.

In the interview the procedural history of the application was reviewed briefly.

Proposed amendments to the claims were also discussed. Applicants' attorneys presented evidence (including BLAST searches submitted with one of the priority applications) that claims to detecting polypeptides comprising alternate reading frame amino acid sequences from the core region of any HCV isolate were adequately described in the application.

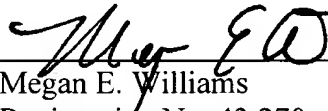
In the interview the art cited in the Office Action dated January 14, 2005, Feucht et al., Lo et al. 1995, and Xu et al. 2001 was also discussed. Applicants' attorneys presented evidence that the proteins in the references cited by the Examiner are different from those in the pending claims.

It was discussed that a claim to detecting polypeptides comprising alternate reading frame amino acid sequences from the core region (shown in SEQ ID NO:1) using antibodies may be allowable.

CONCLUSION

If a telephone conversation with applicant's attorney would expedite the prosecution of the above-identified application, the examiner is urged to call applicant's attorney at (617) 227-7400.

Respectfully submitted,


Megan E. Williams
Registration No. 43,270
Attorney for Applicants

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Boston, MA 02109
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Dated: **May 19, 2005**